FIELD SANITATION TEAM CERTIFICATION COURSE

LESSON 7 - ARTHROPODS AND DISEASE

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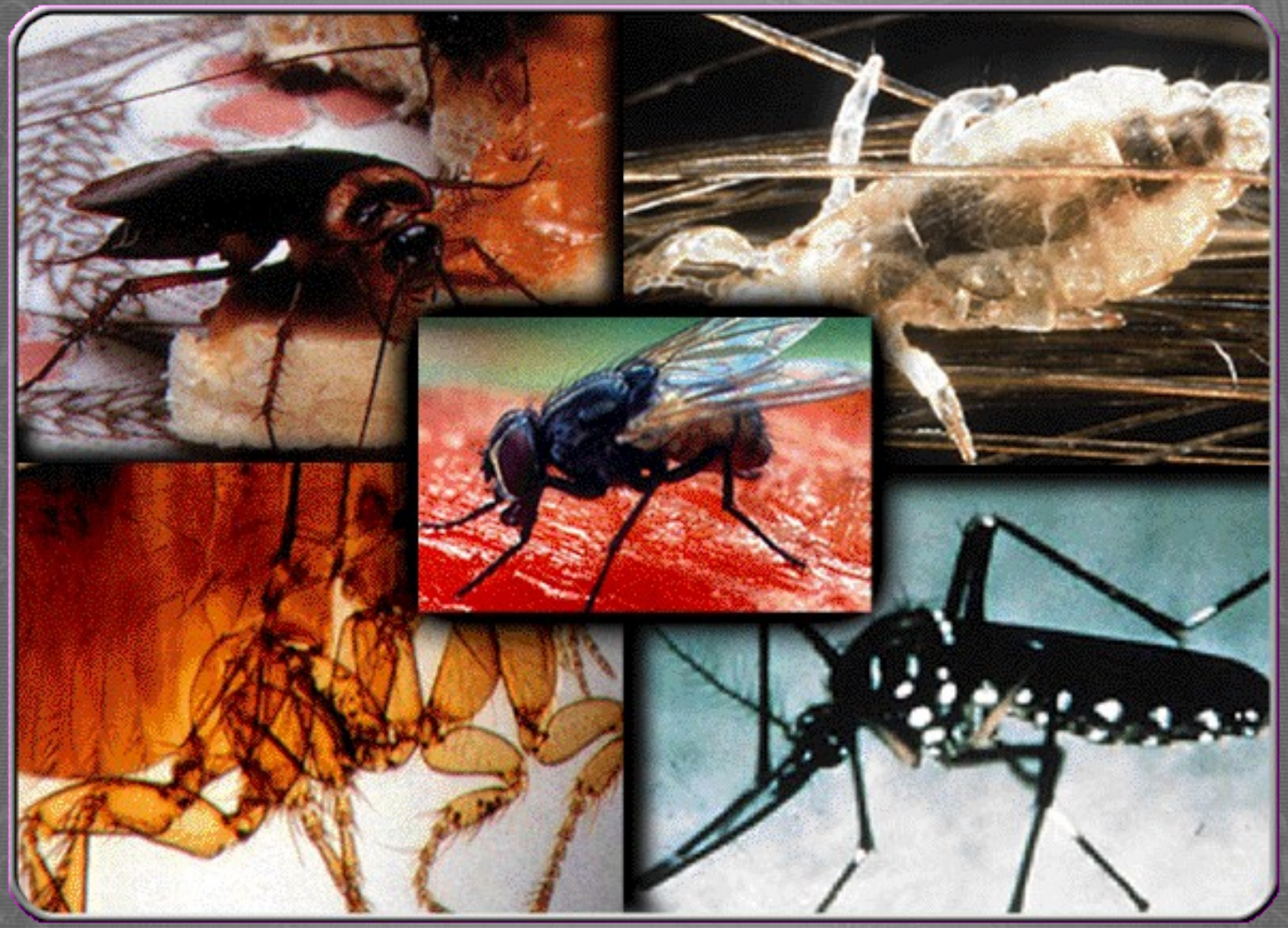
Lesson Objectives

- *Match a list of terms with a list of correspondence definitions.*
- *Identify and select the habitats for each of the 6 arthropods important to military operations.*
- *Identify the ways arthropods affect human health.*
- *Identify how arthropods spread diseases.*
- *Name the arthropod-borne diseases and their vectors.*

•Definitions

- ***Arthropods -*** ***animals, including ticks, spiders, mites, and other insects as well as crustaceans such as shrimp, lobster, and crab.***
- ***Vector*** ***- a carrier.***

Arthropods Important to Military Operations



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Mosquitos

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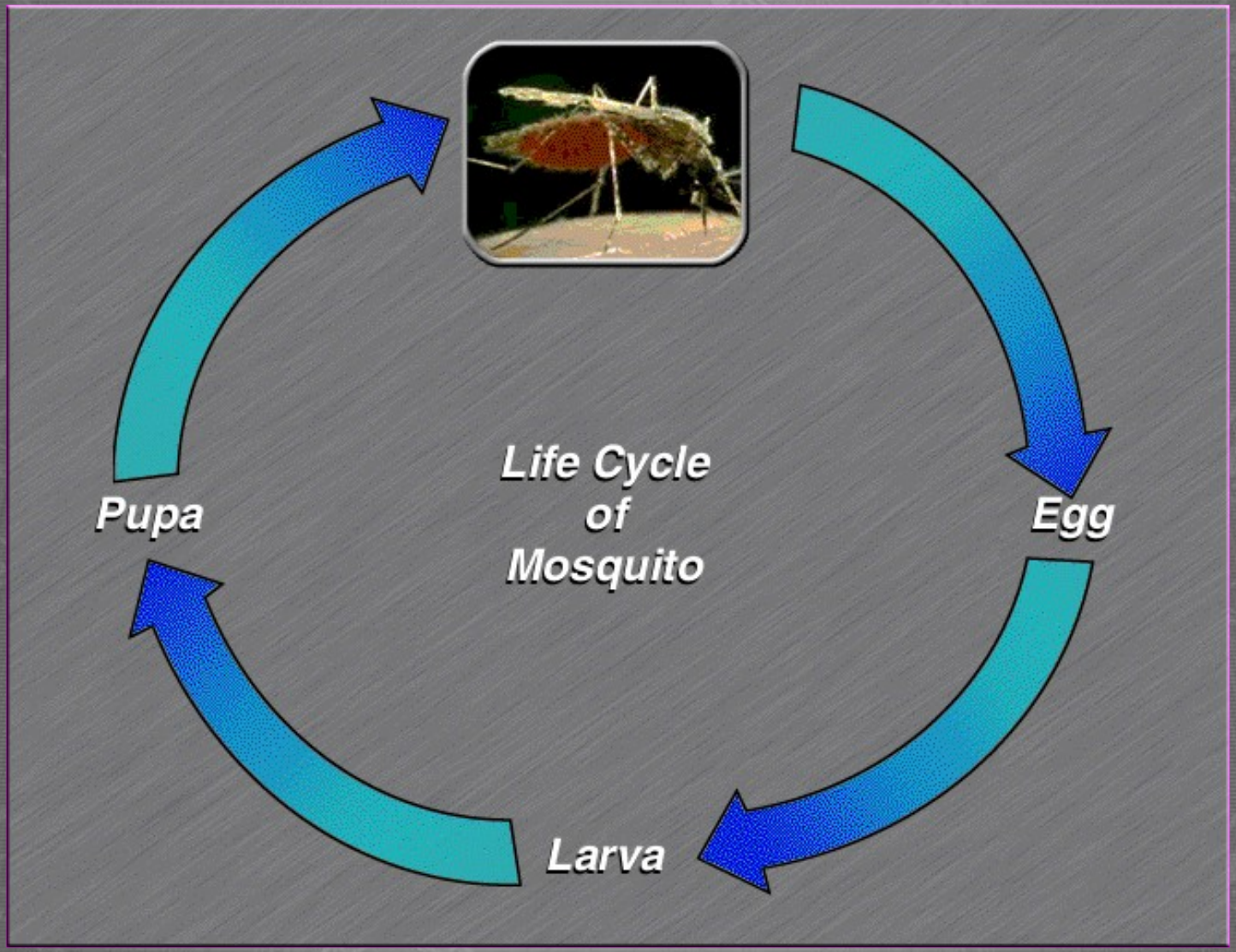
Mosquitos - Life Cycle



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Mosquitos - Habitat

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Filth Flies

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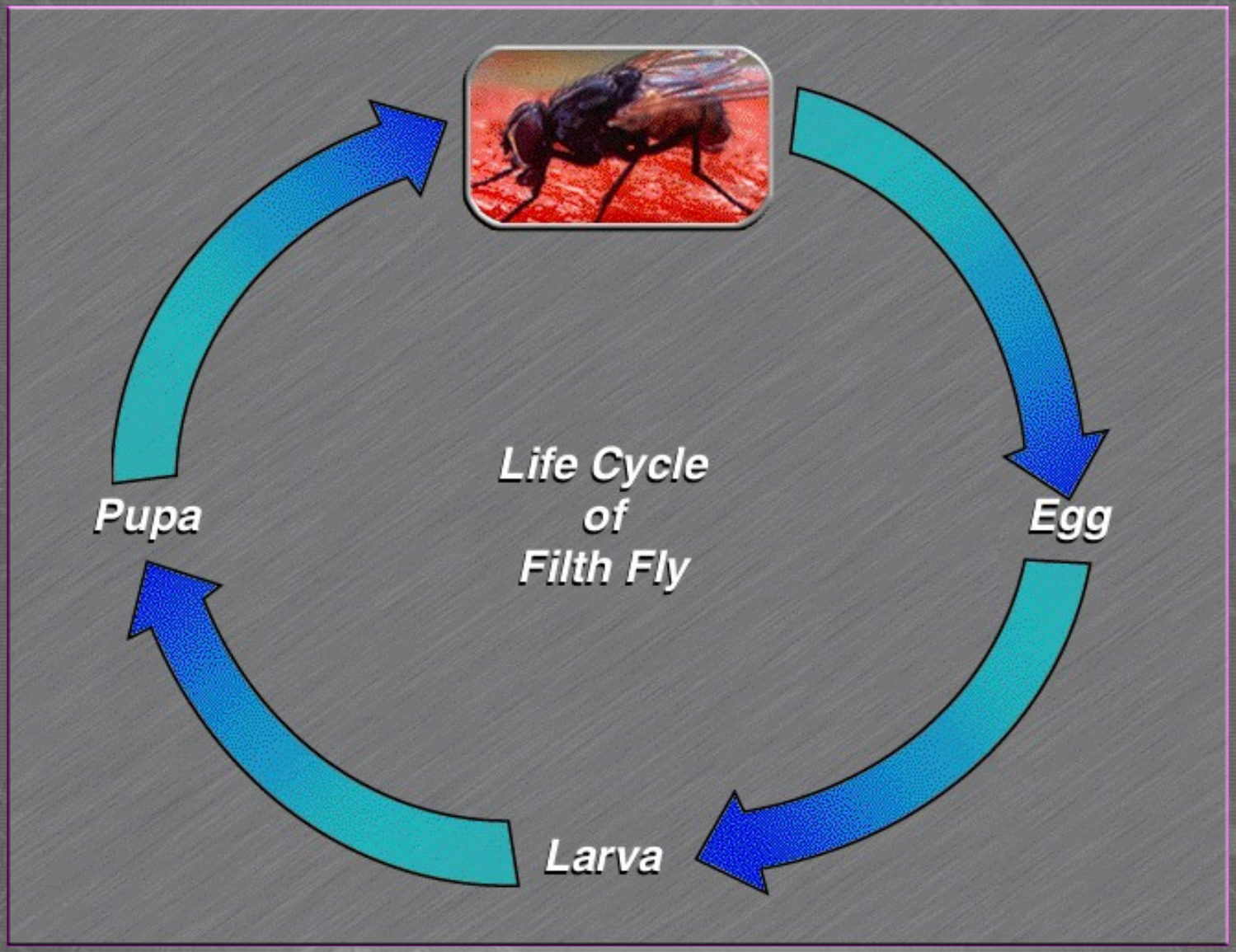
Filth Flies - Life Cycle



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Filth Flies - Habitat

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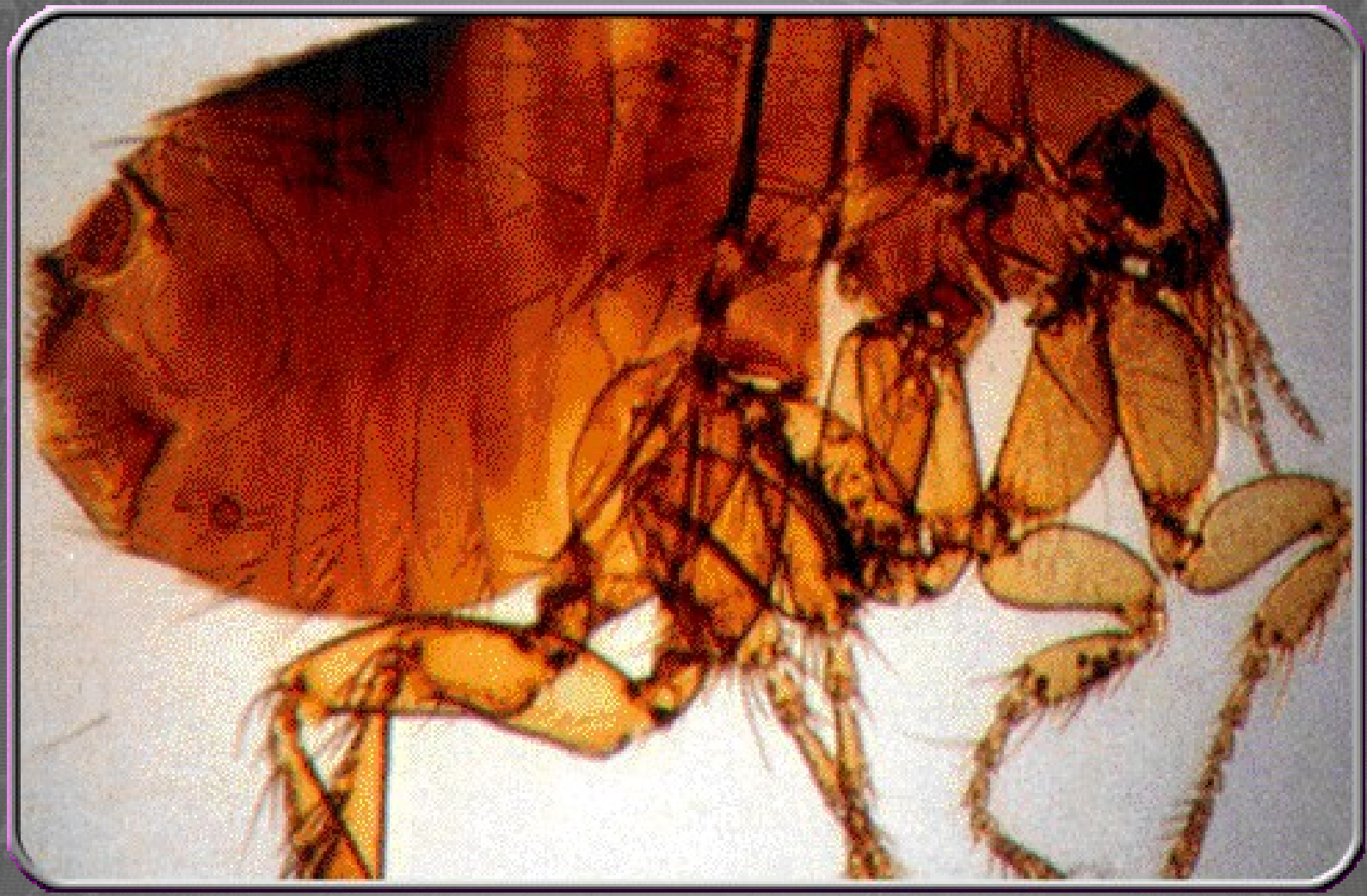
Fleas



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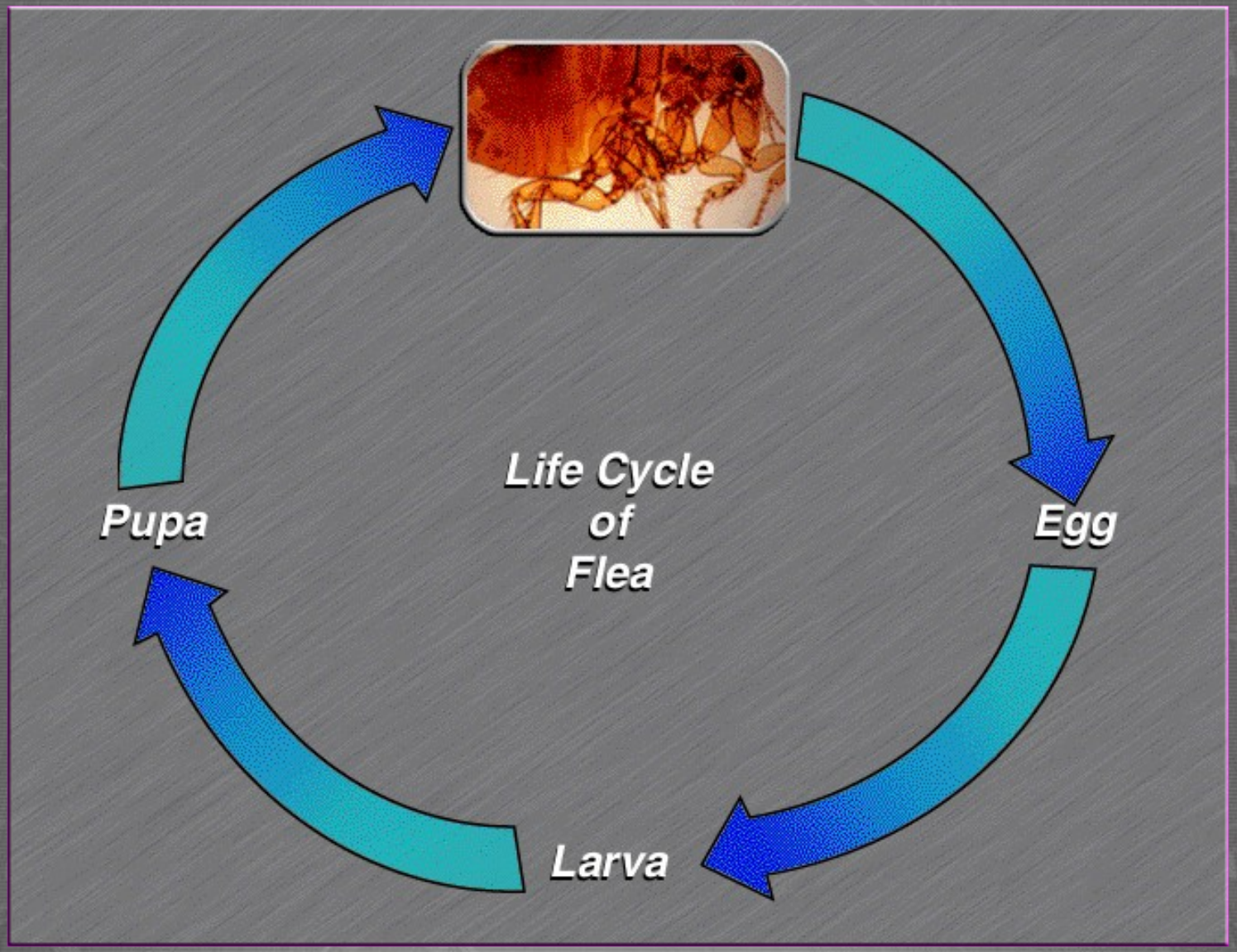
Fleas - Life Cycle



Fleas - Habitat

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Lice

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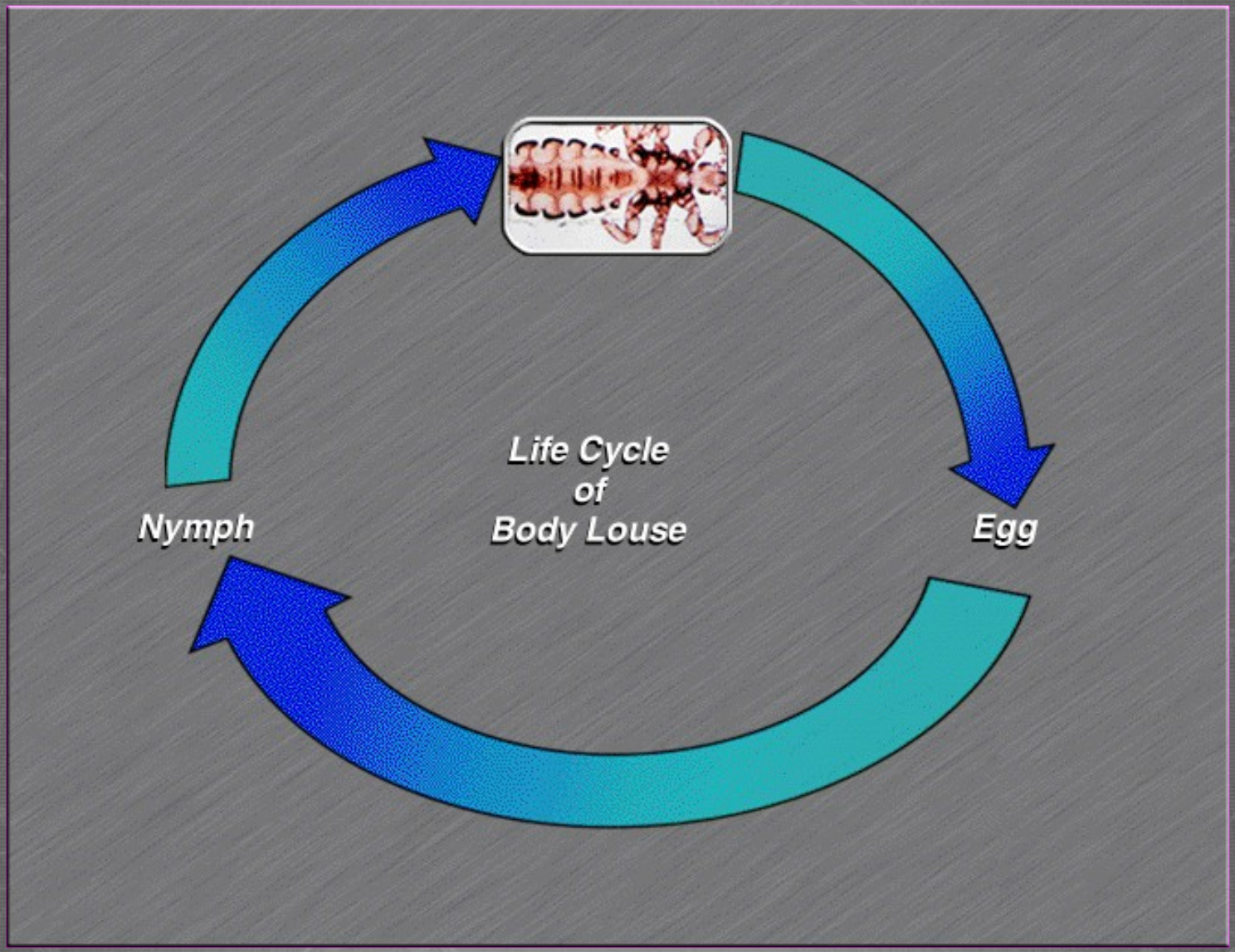
Lice - Life Cycle



Lice - Habitat

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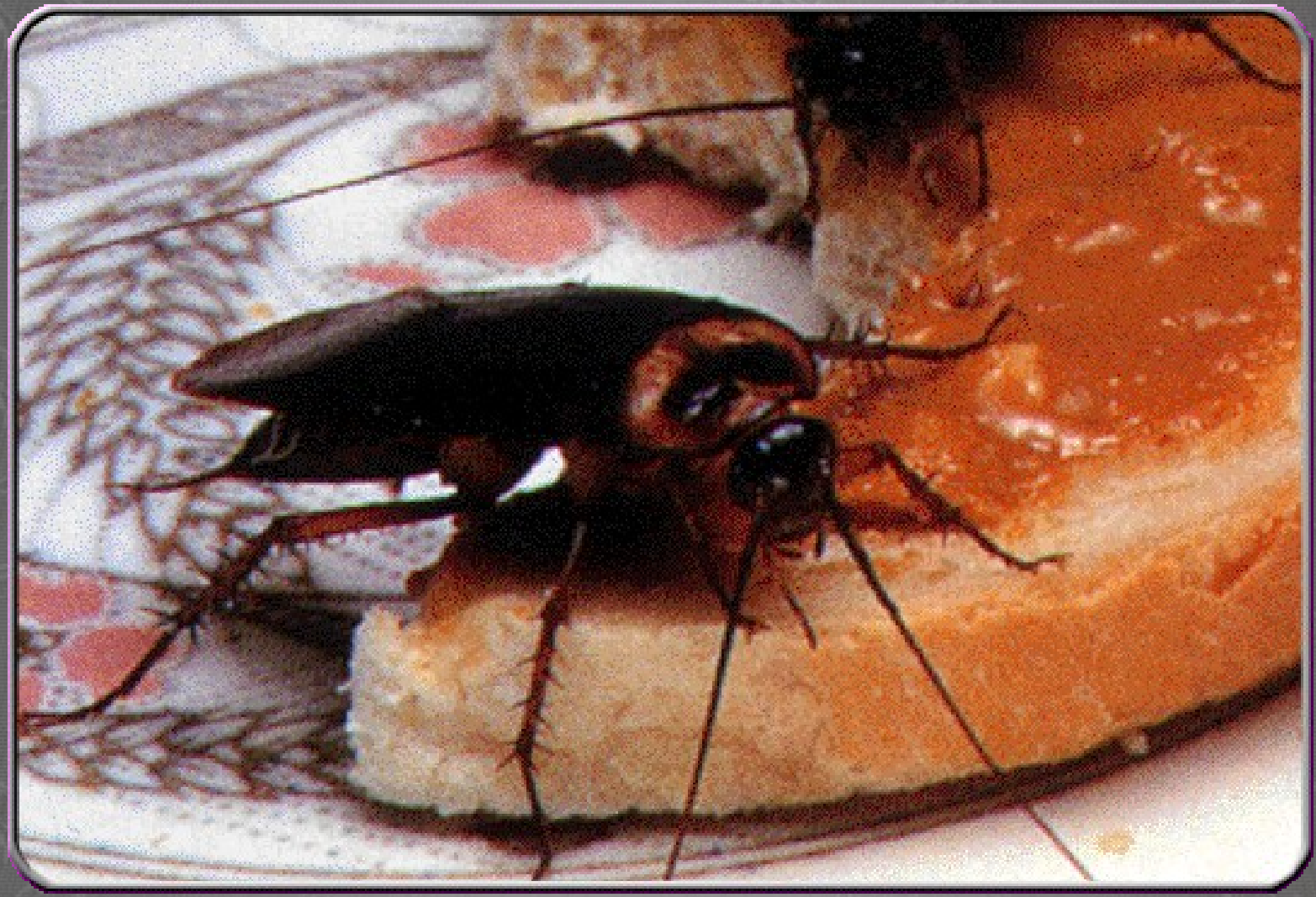
Cockroaches



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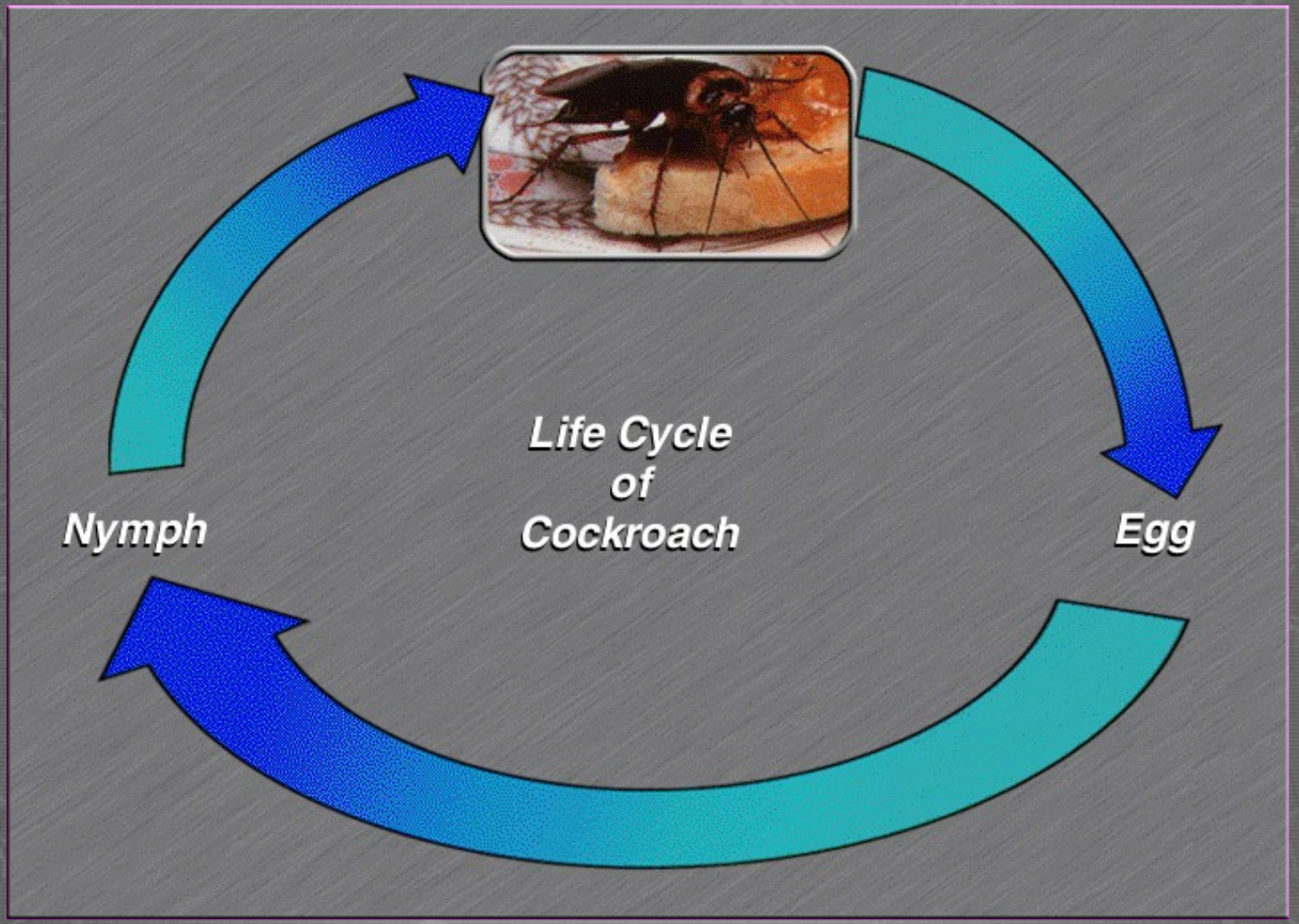
Cockroaches - Life Cycle



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Cockroaches - Habitat

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Ticks and Mites

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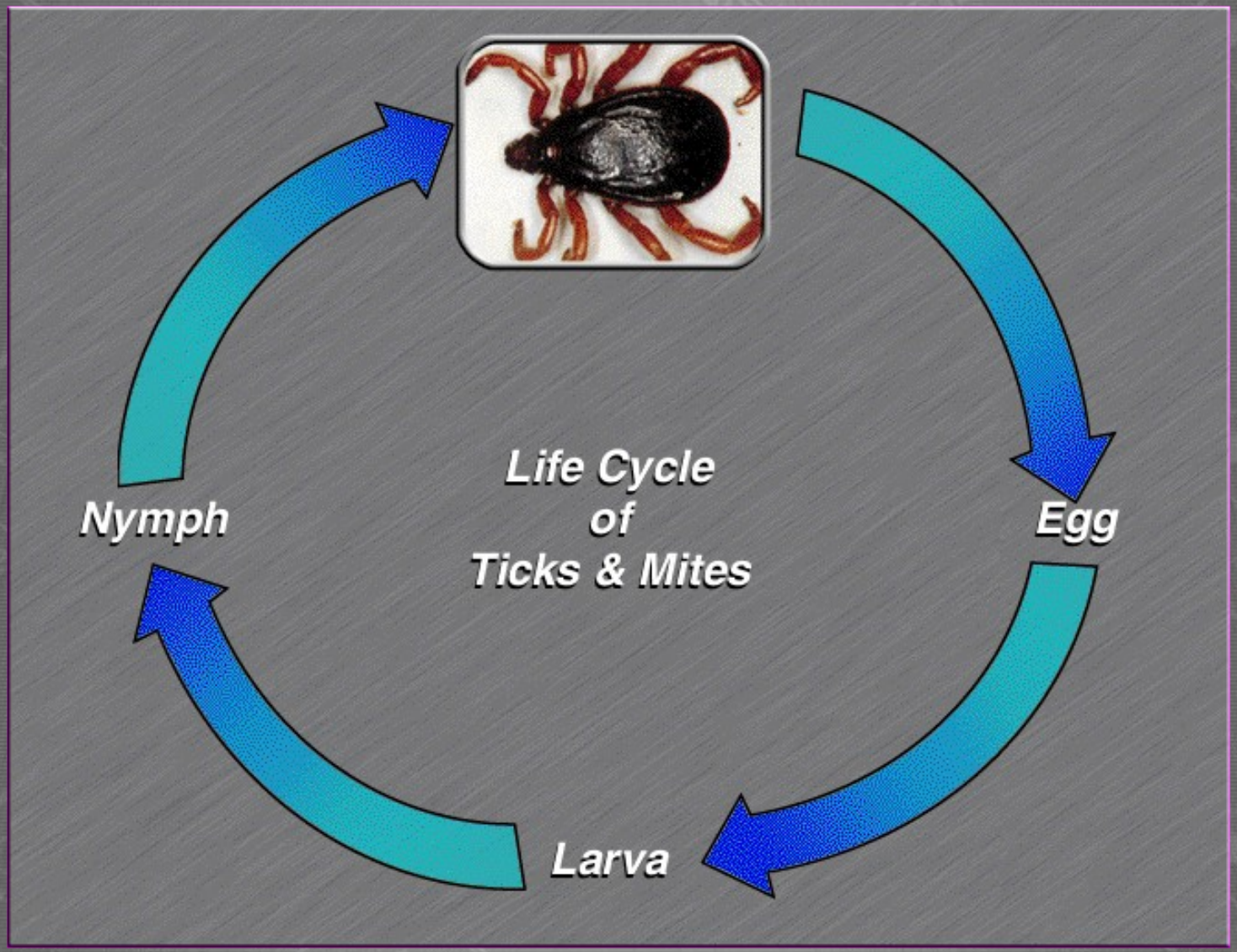
Ticks and Mites - Life Cycle



Ticks and Mites - Habitat

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How Arthropods Affect Human Health

Head Lice

Body Lice

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Direct Injury - Bites

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Direct Injury - Envenomization

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Direct Injury - Entomophobia

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Direct Injury - Accidental Injury to Sensory Organs

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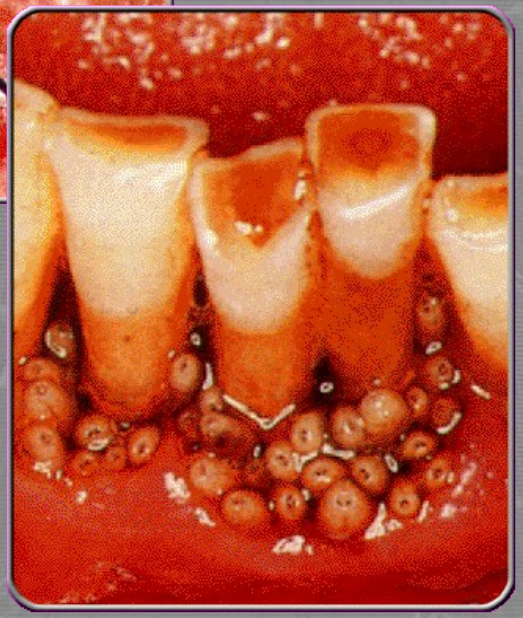
Direct Injury - Myiasis



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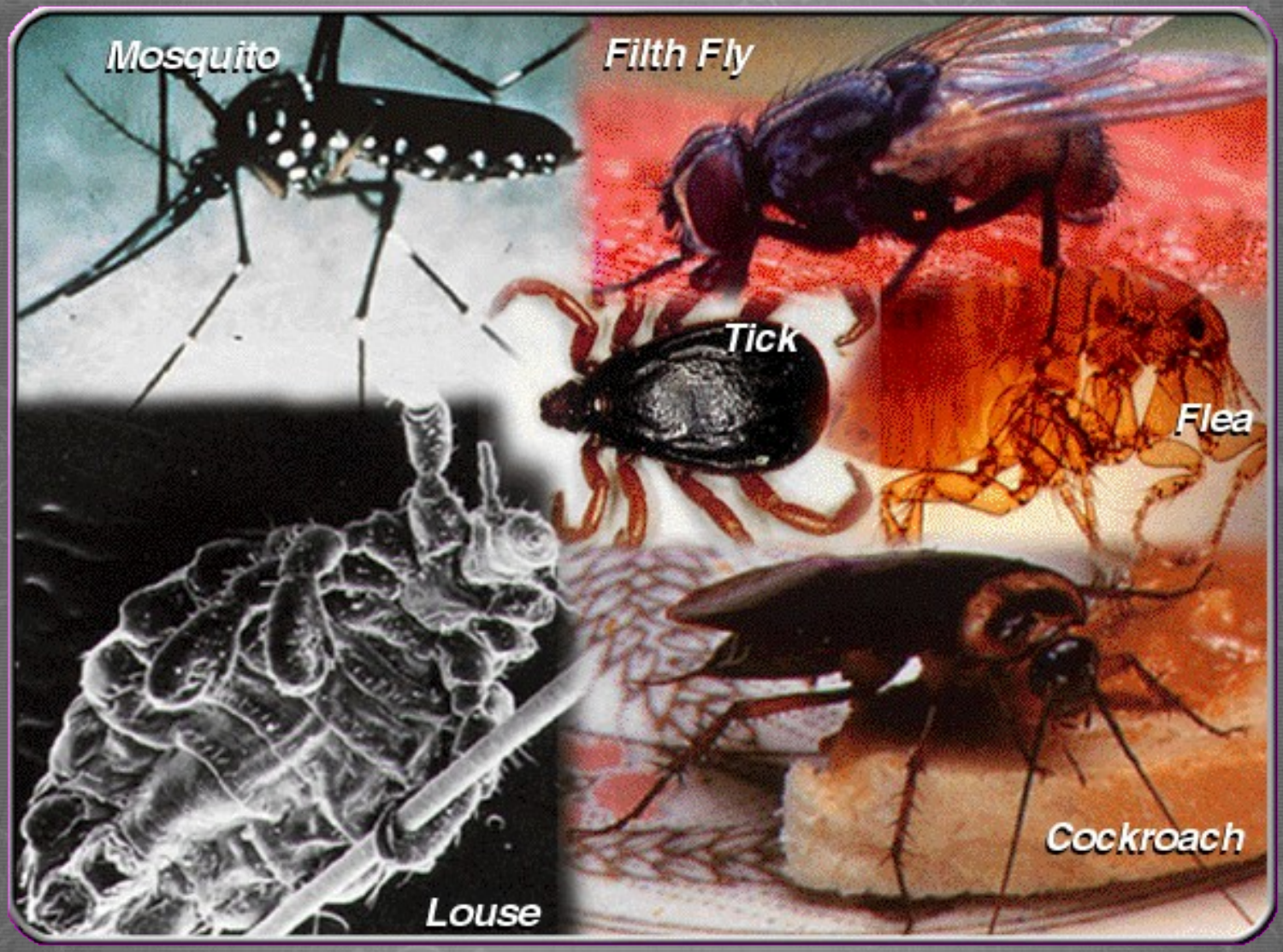
Direct Injury - Allergies

- Reaction to cockroach feces and shed skin.
- Reactions to other arthropods such as dust mites.

How Disease is Spread



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Passive or Mechanical Transmission

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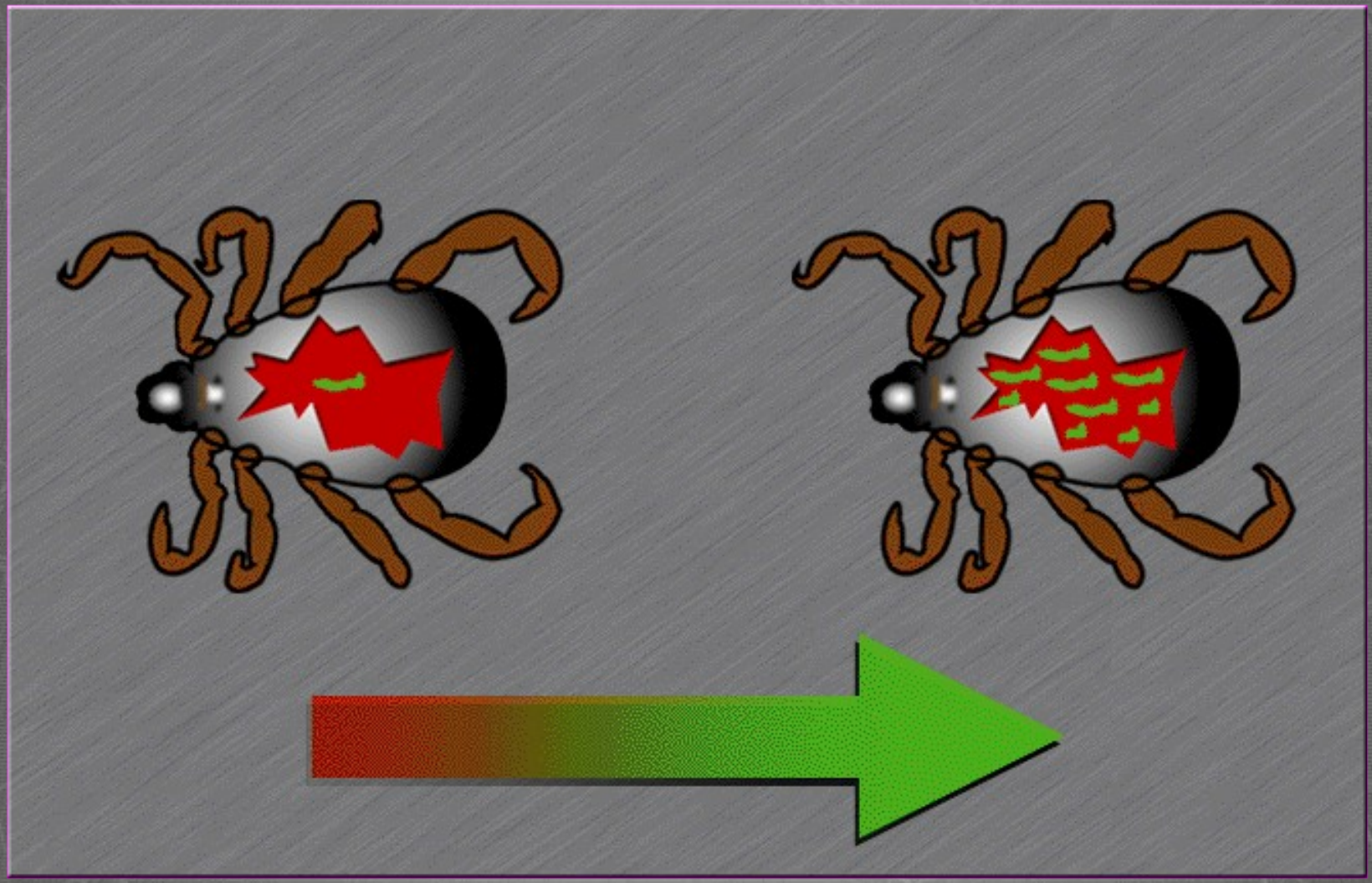
Active or Biological Transmission



Diseases and Their Vectors - Mosquitos

Dengue Fever

- Malaria
- Yellow Fever
- Dengue Fever
- Encephalitis

Diseases and Their Vectors - Other

Leishmaniasis

- Sand Fly Fever
- Leishmaniasis
- Epidemic Typhus
- Bubonic Plague

SUMMARY